

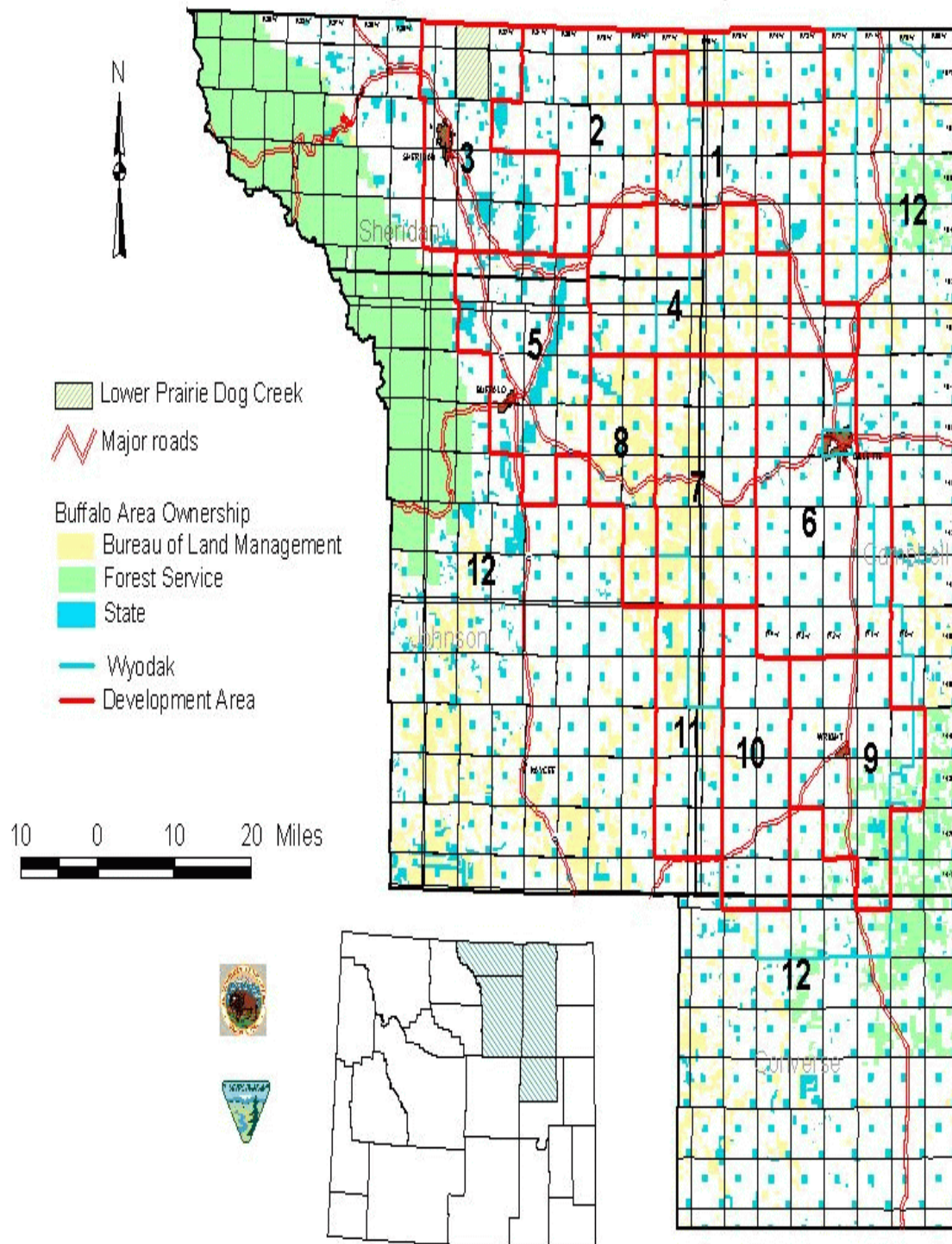
Powder River Basin Oil and Gas EIS
Coal Bed Methane
Activity Breakdown

In order to study the impact that possible drilling activity will have on the environment, it is important to forecast where activity will occur within the play. We are soliciting public comments on how development will proceed throughout the basin based on constraints that parties have regarding each area. To start this process, we have broken the potential active Coal Bed Methane (CBM) area in the basin into 12 areas. The areas were delineated based on: coal thickness, drainages, topography, existing infrastructure and economic viability. This is the first pass at identifying areas of activity to evaluate environmental effects as these areas develop.

A map is attached showing the initial twelve areas along with summary information for each. Please review the summary information and provide feedback on any information that you feel is incorrect or if you believe different areas should be given special consideration from an activity standpoint. If you have planned drilling activity in these areas please look at each area and the associated forecast and provide any information you may have which would impact the development forecast. If your analysis results in a different interpretation of the development scenario please provide us with this feedback. Also, please provide issues and concerns related to development based on this scenario.

Twelve areas were selected to give sufficient resolution to identify the different areas of development. These areas can easily be increased or decreased in size if it is determined to be necessary. If you believe changes are warranted, please provide data or information applicable to each area.

Powder River Basin O & G EIS Industry Model of CBM Development



This document is made for educational purposes and intended by the Bureau of Land Management.

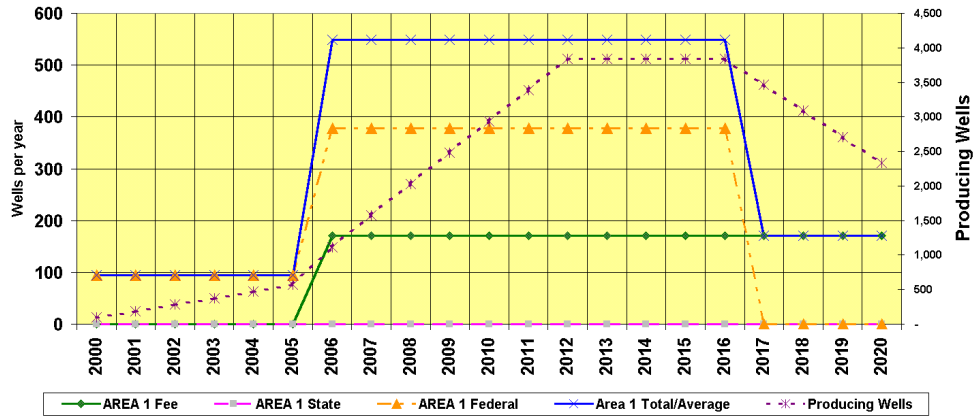
Summary of AREA - 1 Information

Description: T52N R72-73W; T53N R73W; T54N R73-74W & R76&77W; T55N R73-77W; T56N R74-77W; T57N R77W

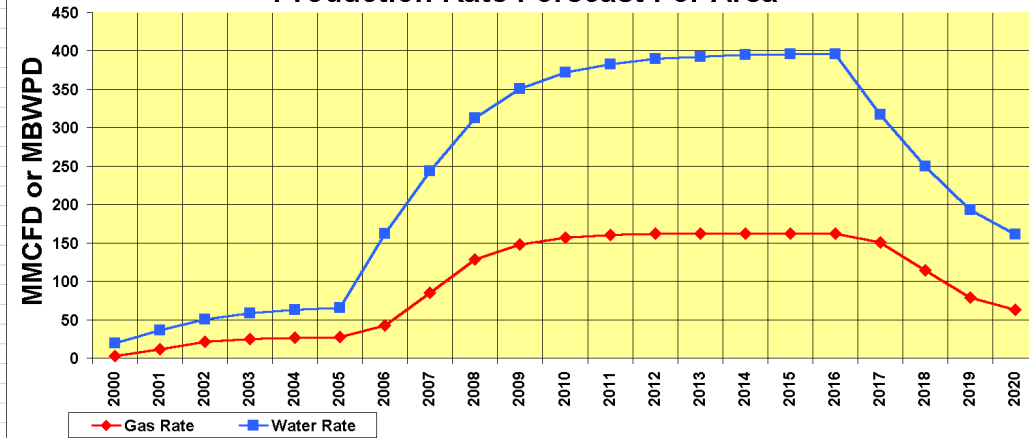
| | <u>Fee</u> | <u>State</u> | <u>Federal</u> | <u>Total</u> |
|---------------|------------|--------------|----------------|--------------|
| Acreage Split | 152,280 | 29,440 | 209,960 | 391,680 |
| 80 Acre Units | 1,904 | 368 | 2,625 | 4,896 |

| | | | |
|------------------|----------------------|-------------------|-------------------|
| Coal Properties: | <u>Ave Thickness</u> | <u>Ave. Depth</u> | <u># of Coals</u> |
| | 38 | 639 | 1.8 |

Well activity for Area



Production Rate Forecast For Area



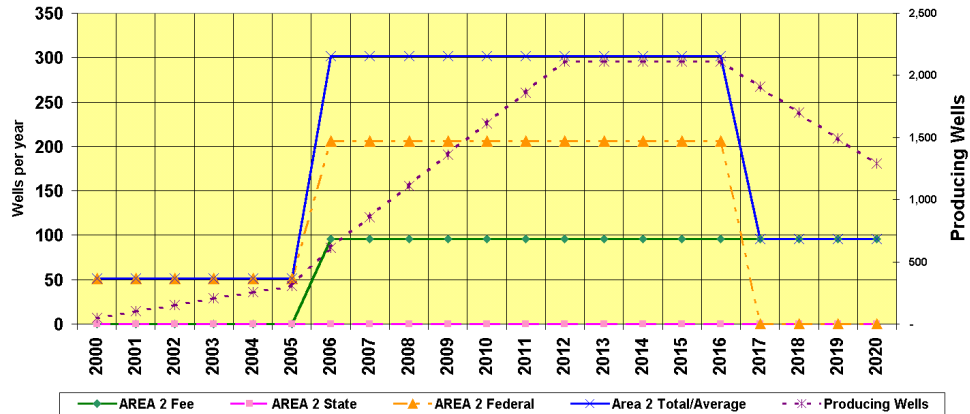
Summary of AREA - 2 Information

Description: T54N R80W; T55N R78-80W; T56N R73W & R78-82W; T57N R73-76W & R78-81W; T58N R73W-R81W

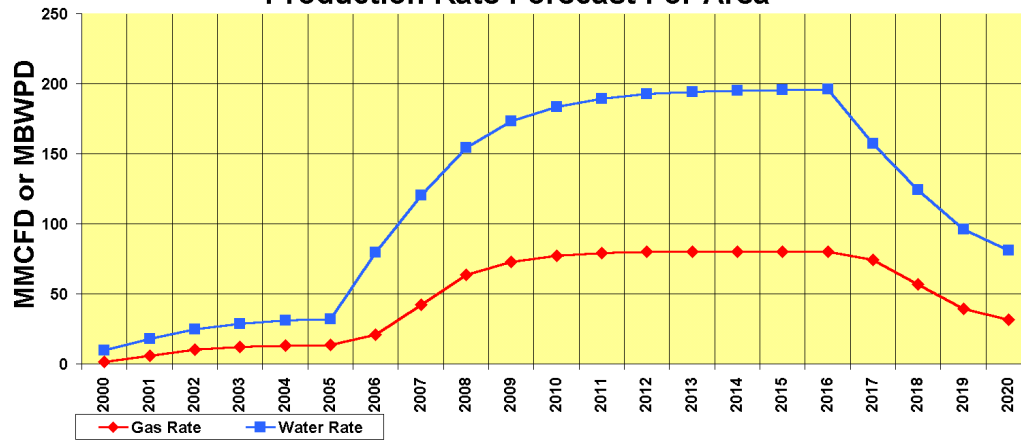
| | Fee | State | Federal | Total |
|---------------|---------|--------|---------|---------|
| Acreage Split | 128,000 | 57,600 | 171,520 | 357,120 |
| 80 Acre Units | 1,600 | 720 | 2,144 | 4,464 |

| Coal Properties: | Ave Thickness | Ave. Depth | # of Coals |
|------------------|---------------|------------|------------|
| | 22 | 971 | 1.2 |

Well activity for Area



Production Rate Forecast For Area



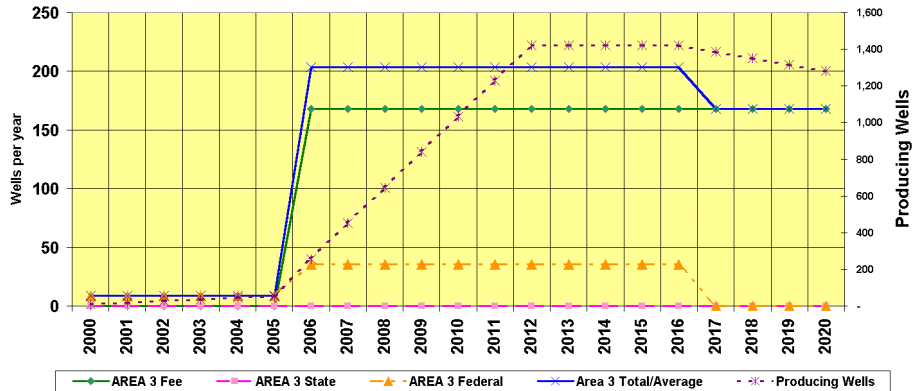
Summary of AREA - 3 Information

Description: T54N R81-84W; T55N R81-84W; T56N R83-84W; T57N R82-84W; T58N R82-84W

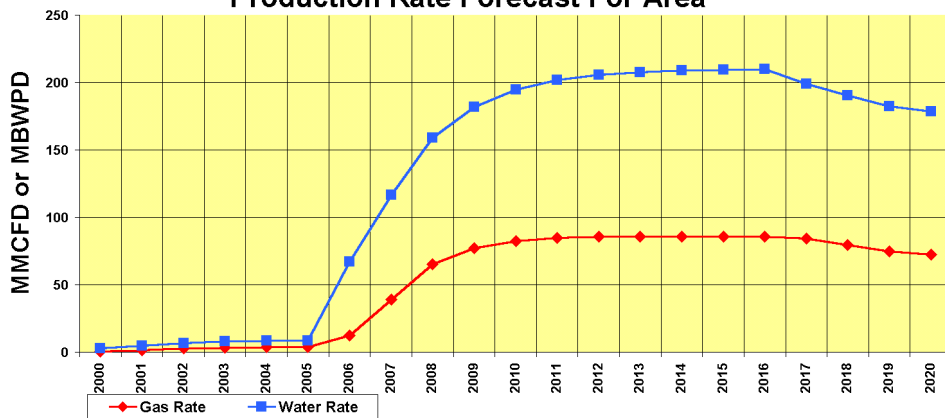
| | <u>Fee</u> | <u>State</u> | <u>Federal</u> | <u>Total</u> |
|---------------|------------|--------------|----------------|--------------|
| Acreage Split | 244,240 | 71,120 | 32,160 | 347,520 |
| 80 Acre Units | 3,053 | 889 | 402 | 4,344 |

| Coal Properties: | <u>Ave Thickness</u> | <u>Ave. Depth</u> | <u># of Coals</u> |
|------------------|----------------------|-------------------|-------------------|
| | 32 | 1,070 | 1.1 |

Well activity for Area



Production Rate Forecast For Area



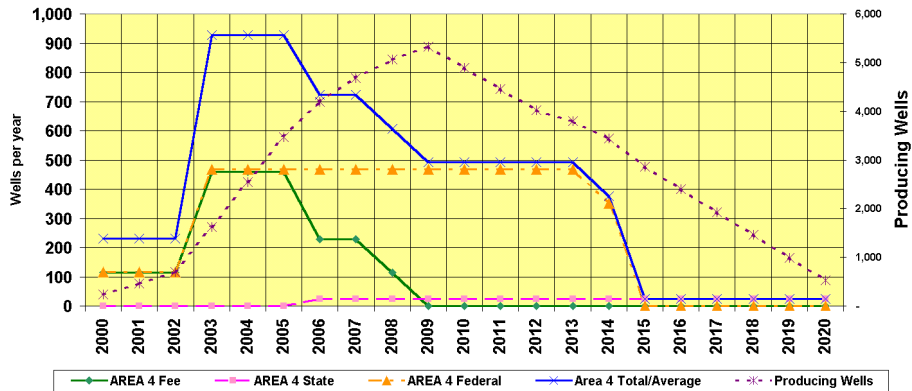
Summary of AREA - 4 Information

Description: T52N R74-79W; T53N R74-79W; T54N R75W; T54N R78-79W

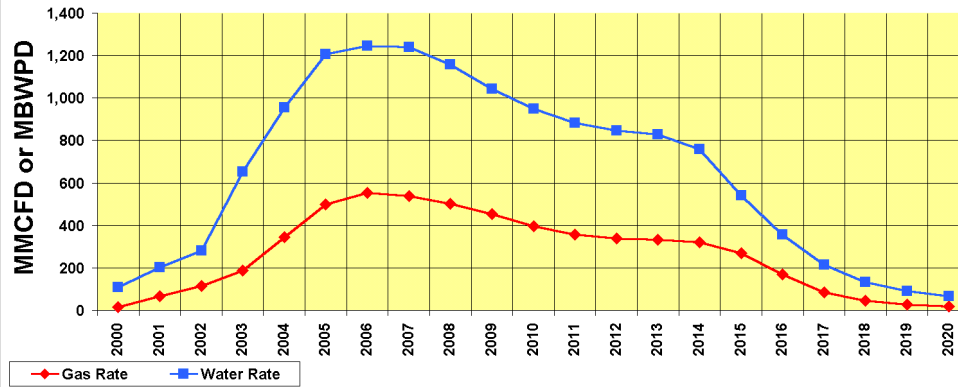
| | Fee | State | Federal | Total |
|---------------|--------|--------|---------|---------|
| Acreage Split | 91,680 | 19,840 | 234,080 | 345,600 |
| 80 Acre Units | 1,146 | 248 | 2,926 | 4,320 |

| Coal Properties: | Ave Thickness | Ave. Depth | # of Coals |
|------------------|---------------|------------|------------|
| | 41 | 1,370 | 2 |

Well activity for Area



Production Rate Forecast For Area



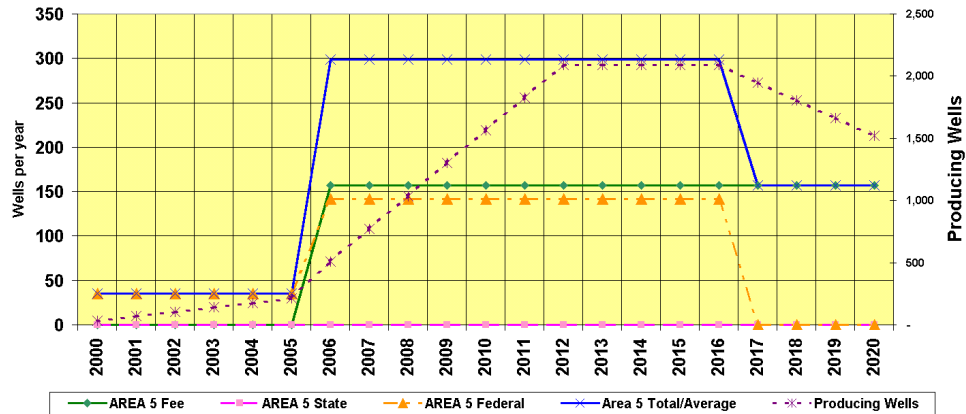
Summary of AREA - 5 Information

Description: T49N R81W; T50N R80-82W; T51N R80-82W; T52N R80-83W; T53N R80-83W

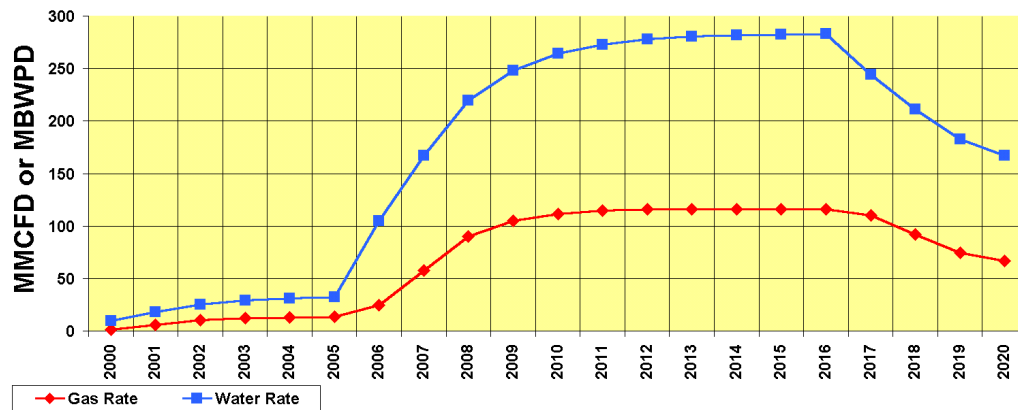
| | Fee | State | Federal | Total |
|---------------|---------|--------|---------|---------|
| Acreage Split | 179,232 | 65,280 | 101,088 | 345,600 |
| 80 Acre Units | 2,240 | 816 | 1,264 | 4,320 |

| Coal Properties: | Ave Thickness | Ave. Depth | # of Coals |
|------------------|---------------|------------|------------|
| | 32 | 976 | 1.4 |

Well activity for Area



Production Rate Forecast For Area



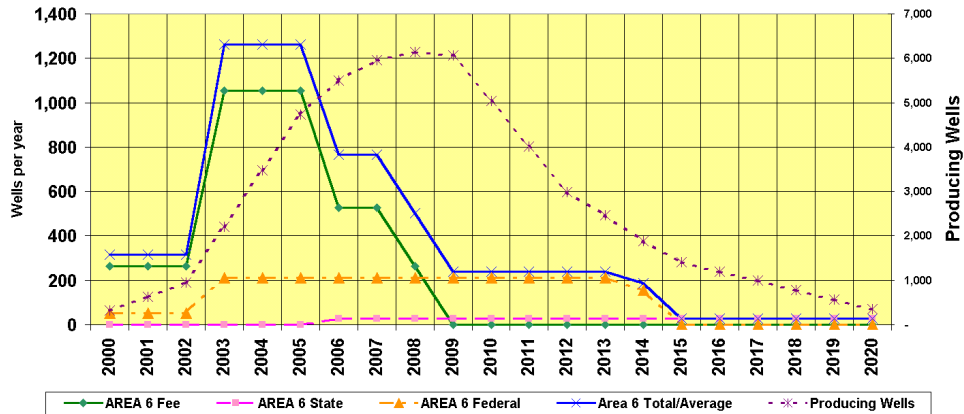
Summary of AREA - 6 Information

Description: T46N R71-74W; T47N R71-74W; T48N R71-74W; T49N R71-74W; T50N R72-74W; T51N R72-74W

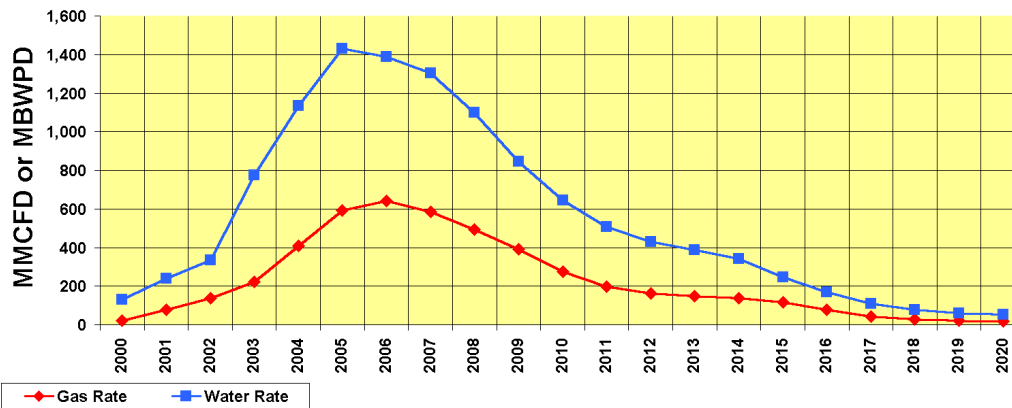
| | Fee | State | Federal | Total |
|---------------|---------|--------|---------|---------|
| Acreage Split | 300,960 | 32,800 | 150,080 | 483,840 |
| 80 Acre Units | 3,762 | 410 | 1,876 | 6,048 |

| Coal Properties: | Ave Thickness | Ave. Depth | # of Coals |
|------------------|---------------|------------|------------|
| | 61 | 764 | 1 |

Well activity for Area



Production Rate Forecast For Area



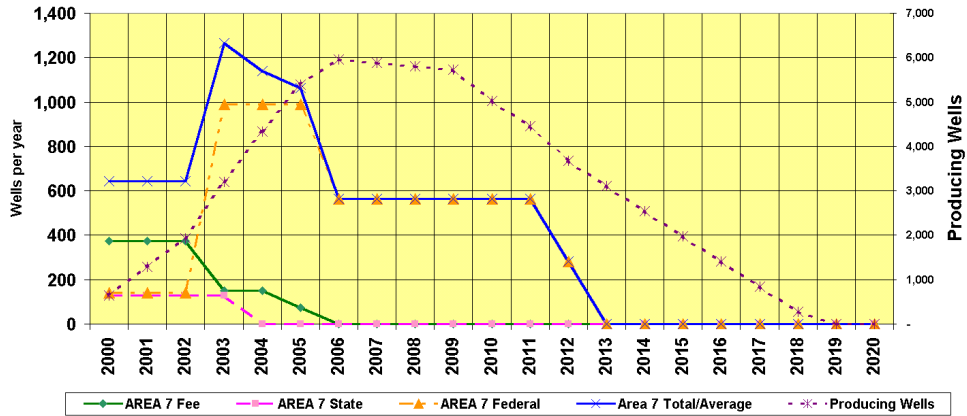
Summary of AREA - 7 Information

Description: T47N R75-77W; T48N R75-77W; T49N R75-77W; T50N R75-77W; T51N R75-77W

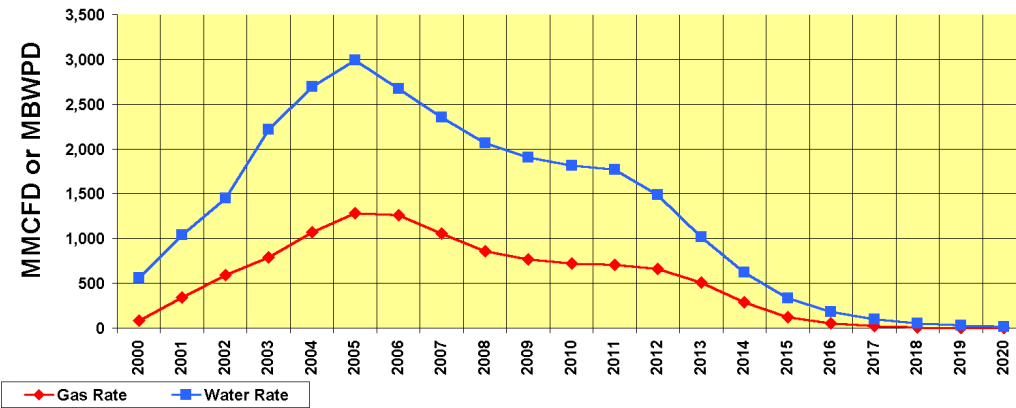
| | <u>Fee</u> | <u>State</u> | <u>Federal</u> | <u>Total</u> |
|---------------|------------|--------------|----------------|--------------|
| Acreage Split | 56,960 | 19,520 | 269,120 | 345,600 |
| 80 Acre Units | 712 | 244 | 3,364 | 4,320 |

| Coal Properties: | <u>Ave Thickness</u> | <u>Ave. Depth</u> | <u># of Coals</u> |
|------------------|----------------------|-------------------|-------------------|
| | 70 | 1,525 | 2 |

Well activity for Area



Production Rate Forecast For Area



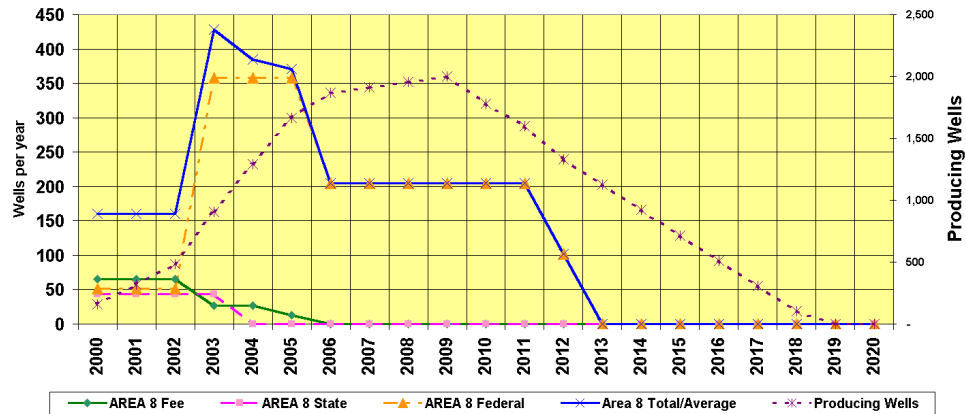
Summary of AREA - 8 Information

Description: T47N R78W; T48N R78W; T49N R78-79W; T50N R78-79W; T51N R78-79W

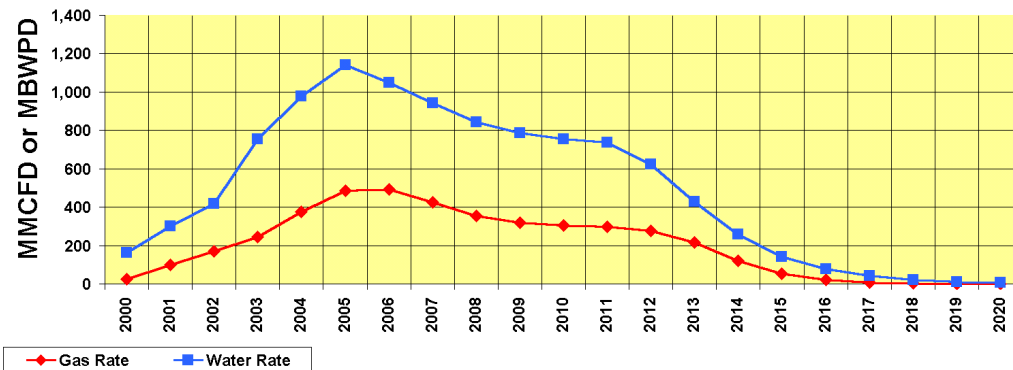
| | Fee | State | Federal | Total |
|---------------|--------|--------|---------|---------|
| Acreage Split | 16,160 | 10,720 | 157,440 | 184,320 |
| 80 Acre Units | 202 | 134 | 1,968 | 2,304 |

| Coal Properties: | Ave Thickness | Ave. Depth | # of Coals |
|------------------|---------------|------------|------------|
| | 72 | 1,806 | 1.3 |

Well activity for Area



Production Rate Forecast For Area



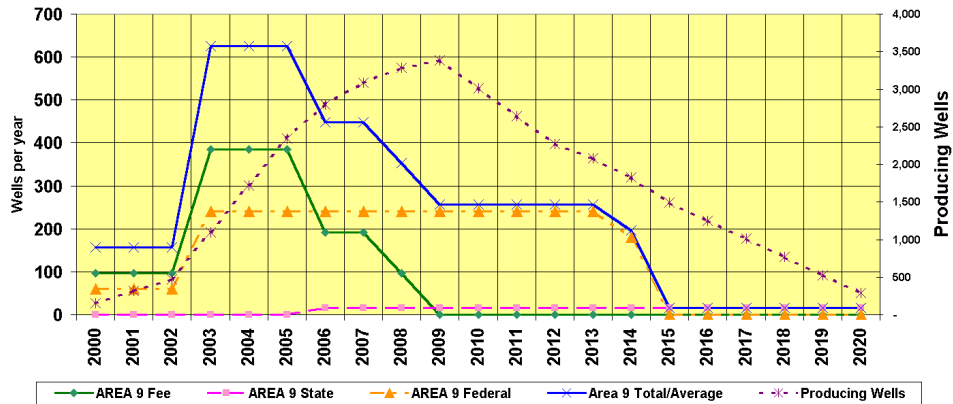
Summary of AREA - 9 Information

Description: T41N R71W; T42N R71-72W; T43N R70-73W; T44N R70-73W; T45N R71-73W

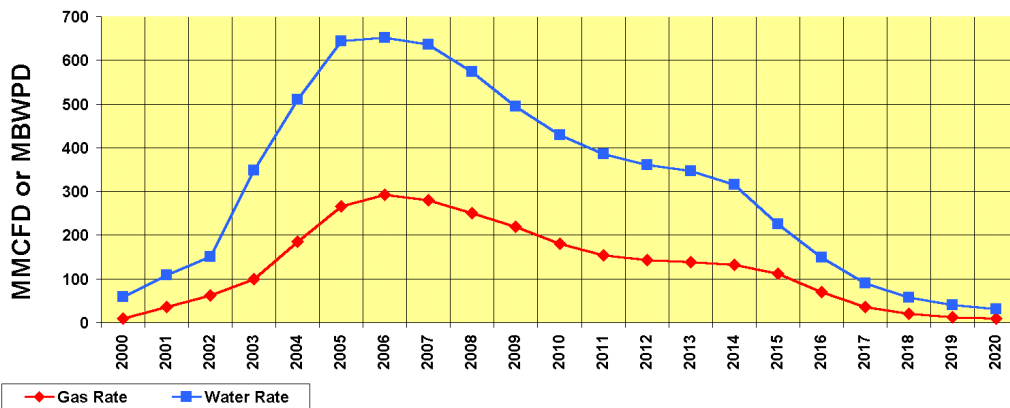
| | Fee | State | Federal | Total |
|---------------|---------|--------|---------|---------|
| Acreage Split | 118,400 | 18,880 | 185,280 | 322,560 |
| 80 Acre Units | 1,480 | 236 | 2,316 | 4,032 |

| Coal Properties: | Ave Thickness | Ave. Depth | # of Coals |
|------------------|---------------|------------|------------|
| | 69 | 630 | 1.3 |

Well activity for Area



Production Rate Forecast For Area



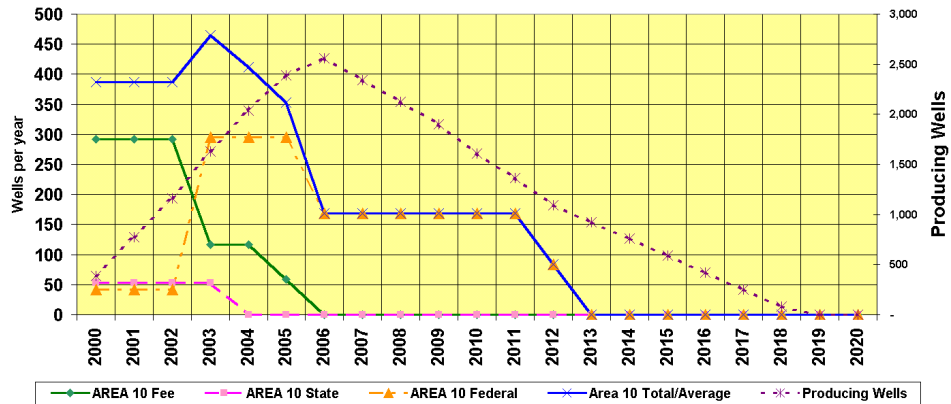
Summary of AREA - 10 Information

Description: T41N R74-75W; T42N R74-75W; T43N R74-75W; T44N R74-75W; T45N R74-75W; T46N R75W

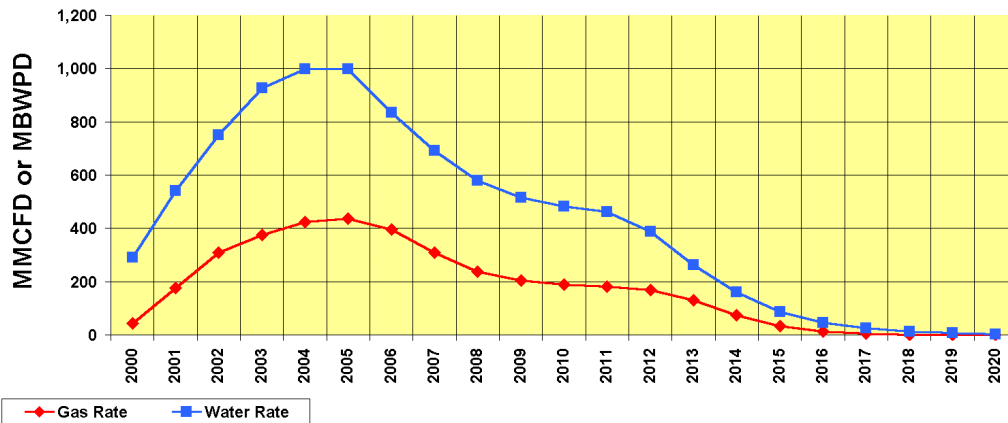
| | Fee | State | Federal | Total |
|---------------|--------|--------|---------|---------|
| Acreage Split | 84,800 | 15,520 | 153,120 | 253,440 |
| 80 Acre Units | 1,060 | 194 | 1,914 | 3,168 |

| Coal Properties: | Ave Thickness | Ave. Depth | # of Coals |
|------------------|---------------|------------|------------|
| | 76 | 1,145 | 1.1 |

Well activity for Area



Production Rate Forecast For Area



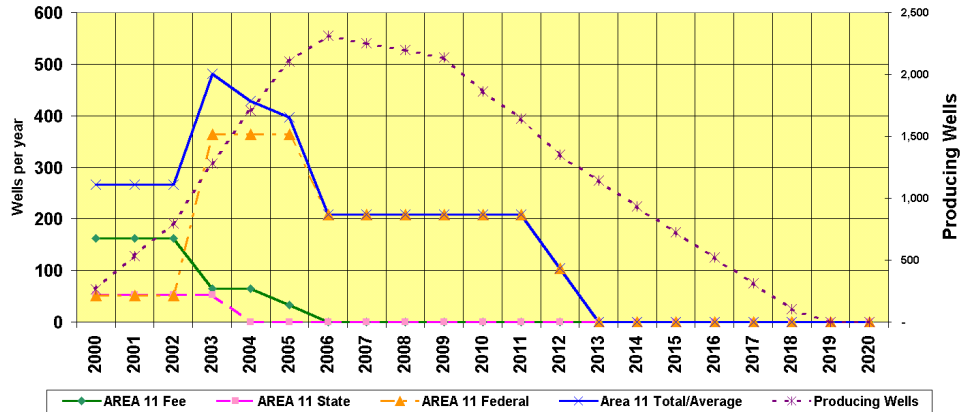
Summary of AREA - 11 Information

Description: T42N R76-77W; T43N R76-77W; T44N R76-77W; T45N R76-77W; T46N R76-77W

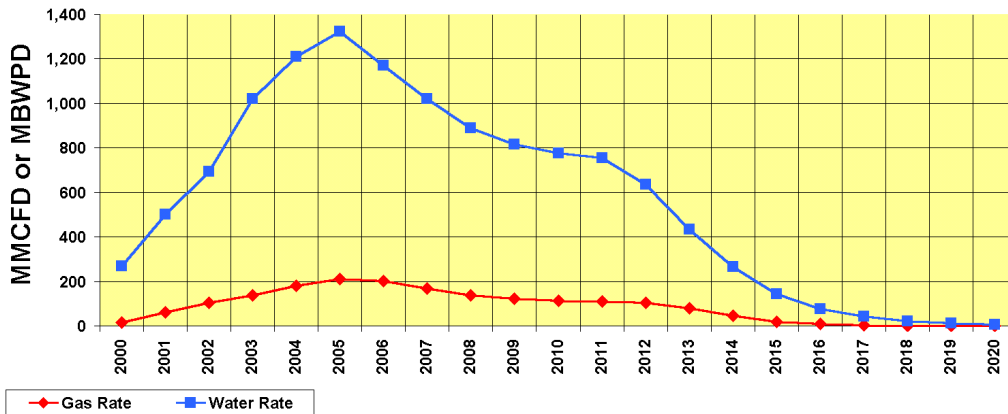
| | <u>Fee</u> | <u>State</u> | <u>Federal</u> | <u>Total</u> |
|---------------|------------|--------------|----------------|--------------|
| Acreage Split | 43,200 | 13,920 | 173,280 | 230,400 |
| 80 Acre Units | 540 | 174 | 2,166 | 2,880 |

| Coal Properties: | <u>Ave Thickness</u> | <u>Ave. Depth</u> | <u># of Coals</u> |
|------------------|----------------------|-------------------|-------------------|
| | 88 | 1,373 | 1 |

Well activity for Area



Production Rate Forecast For Area



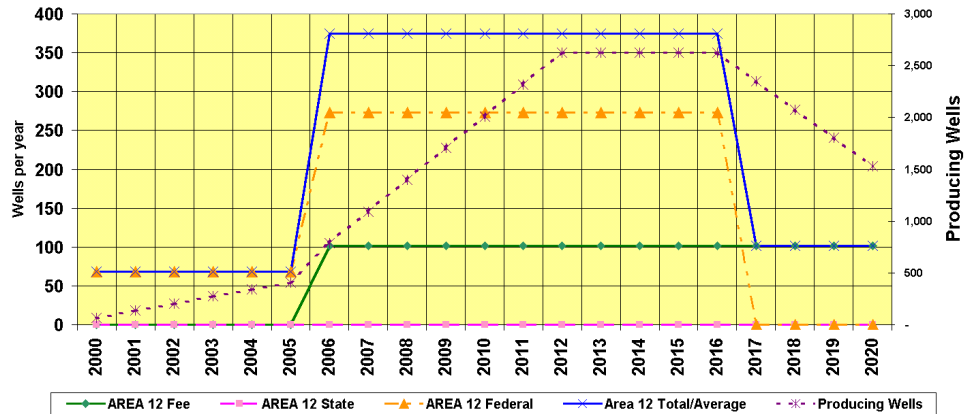
Summary of AREA - 12 Information

Description: T32-39N R70-74W; T40N R70-75W; T41N R70W, R72-73W, R76-77W; T42N R70W, R73W, R80W; T43N R78-80W; T44-46N R78-81W; T47-48N R79-81W; T49N R80W; T51N R83W; T55-58N R85W

| | Fee | State | Federal | Total |
|---------------|---------|--------|---------|---------|
| Acreage Split | 162,240 | 25,600 | 273,280 | 461,120 |
| 80 Acre Units | 2,028 | 320 | 3,416 | 5,764 |

| Coal Properties: | Ave Thickness | Ave. Depth | # of Coals |
|------------------|---------------|------------|------------|
| | 16 | 1,253 | 1 |

Well activity for Area



Production Rate Forecast For Area

